## WHAT IS CLAIMED IS:

1. A (meth)acrylate derivative represented by the formula (1):

$$\begin{array}{c}
R^{1} \\
CH_{2} = C \\
C = O \\
O \\
O \\
O
\end{array}$$
(1)

wherein  $R^1$  and  $R^2$  are each a hydrogen atom or a methyl group.

- A polymer which is obtained by polymerizing
   the (meth)acrylate derivative described in Claim 1, or copolymerizing the (meth)acrylate derivative described in Claim 1 with another polymerizable compound.
- 3. The polymer according to Claim 2 which is
  represented by the formula (2) and has a weight-average
  molecular weight of 2000 to 200000:

wherein R¹, R², R³ and R⁵ are each a hydrogen atom or a methyl group; R⁴ is an acid-labile group, an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has an acid-labile group, an alicyclic hydrocarbon group

5 having 7 to 13 carbon atoms, which has a carboxyl group, or a hydrocarbon group having 3 to 13 carbon atoms, which has an epoxy group; R⁶ is a hydrogen atom, a hydrocarbon group having 1 to 12 carbon atoms, or an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has a carboxyl group; and x, y and z are optional values which meet x + y + z = 1, 0 < x ≤ 1, 0 ≤ y < 1 and 0 ≤ z < 1.

- 4. A photoresist material which includes at least
  the polymer described in Claim 2 and a photo-acid
  generator for generating an acid by exposure.
- 5. A photoresist material which includes at least the polymer described in Claim 3 and a photo-acid
   20 generator for generating an acid by exposure.
  - 6. A photoresist material according to Claim 4 which further includes a polyhydric alcohol.
- 7. A photoresist material according to Claim 5 which further includes a polyhydric alcohol.

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- 8. A photoresist composition which comprises 70 to 99.8% by weight of the polymer described in Claim 2 and 0.2 to 30% by weight of a photo-acid generator for generating an acid by exposure.
- 9. A photoresist composition which comprises 70 to 99.8% by weight of the polymer described in Claim 3 and 0.2 to 30% by weight of a photo-acid generator for generating an acid by exposure.
- 10. A method for forming a pattern which comprises a step of applying the photoresist material described in Claim 4 onto a substrate to be worked, a step of exposing the material to a light having a wavelength of 180 to 220 nm, a step of carrying out baking, and a step of performing development.
- a step of applying the photoresist material described in Claim 5 onto a substrate to be worked, a step of exposing the material to a light having a wavelength of 180 to 220 nm, a step of carrying out baking, and a step of performing development.

12. The method for forming the pattern according

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to Claim 10 wherein the exposure light is an ArF excimer laser light.

- 13. The method for forming the pattern according to Claim 11 wherein the exposure light is an ArF excimer laser light.
  - 14. A polymer which is represented by the formula
    (2) and has a weight-average molecular weight of 2000 to
    200000:

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>5</sup> are each a hydrogen atom or a methyl group; R<sup>4</sup> is an acid-labile group, an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has an acid-labile group, an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has a carboxyl group, or a hydrocarbon group having 3 to 13 carbon atoms, which has an epoxy group; R<sup>6</sup> is a hydrogen atom, a hydrocarbon group having 1 to 12 carbon atoms, or an alicyclic hydrocarbon group having 7 to 13 carbon atoms, which has a carboxyl group; and x, y and z are optional values

which meet x + y + z = 1,  $0 < x \le 1$ ,  $0 \le y < 1$  and  $0 \le z$  < 1.

15. A (meth)acrylate derivative having an alicyclic lactone structure which is represented by the formula (4):

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(4)

wherein  $R^8$  is a hydrogen atom or a methyl group;  $R^9$  is a hydrocarbon group of 7 to 16 carbon atoms having an alicyclic lactone structure.

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- 16. A polymer which is obtained by polymerizing the (meth)acrylate derivative described in Claim 15, or copolymerizing the (meth)acrylate derivative described in Claim 15 with another polymerizable compound and has a weight-average molecular weight of 2000 to 200000.
- 17. In a resin for resist, the solubility to an alkaline aqueous solution of which increases due to the decomposition of an acid-decomposable group thereof by an action of an acid, said resin is the resin for resist

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having a (meth)acrylate unit of an alicyclic lactone structure represented by the formula (3):

$$-CH_{2}$$

wherein R<sup>8</sup> is a hydrogen atom or a methyl group, and R<sup>9</sup> is a hydrocarbon group of 7 to 16 carbon atoms having an alicyclic lactone structure.

- 18. The resin for resist according to Claim 17 wherein said resin is the polymer of Claim 2 or Claim 14.
- 19. A photoresist material which includes at least the polymer described in Claim 14 or 16 and a photo-acid generator for generating an acid by exposure.
- 20. The photoresist material according to Claim 19
  20 which further includes a polyhydric alcohol.
  - 21. A photoresist composition which at least comprises 70 to 99.8% by weight of the polymer described in Claim 17 or 18 and 0.2 to 30% by weight of a photoacid generator for generating an acid by exposure.

- 22. A method for forming a pattern which comprises at least a step of applying the photoresist composition described in Claim 21 onto a substrate to be worked, a step of exposing the composition to a light having a wavelength of 180 to 220 nm, a step of carrying out baking, and a step of performing development.
- 23. The method for forming the pattern according to

  10 Claim 22 wherein the exposure light is an ArF excimer
  laser light.